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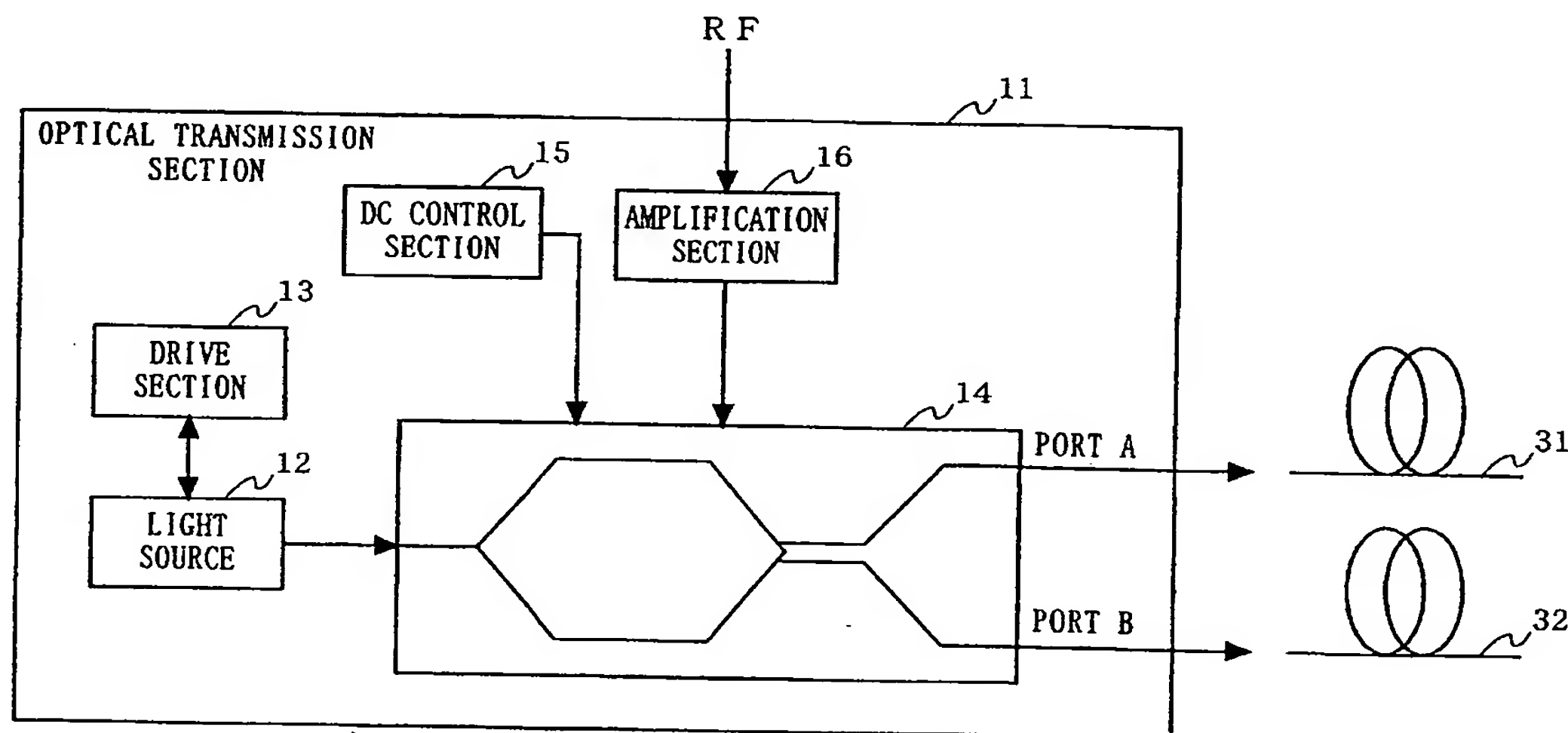
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(54) Title: SYSTEM, DEVICE, AND METHOD FOR RADIO FREQUENCY OPTICAL TRANSMISSION



(57) Abstract: The present invention aims to provide a radio frequency optical transmission system having a simple structure while allowing a signal to be prevented from being lost due to the influence of chromatic dispersion without requiring considerably high adjustment accuracy. An optical intensity modulation section (14) of a control station (10) modulates an intensity of an optical signal generated by a light source (12) with a radio frequency signal, and divides the optical signal having its intensity modulated into two optical signals. The optical intensity modulation section (14) outputs one of the two optical signals without processing it, and the other optical signal is inverted (i.e. 180 out of phase) and outputted. The two optical signals are transmitted through two separate optical fibers (31 and 32) to base stations (21 through 2n). Each of the base stations (21 through 2n) receives one of the two optical signals transmitted via the two optical fibers (31 and 32).